10-Port Gigabit Unmanaged Industrial Ethernet Switches

■ Optional 2~8*1000M Ethernet RJ45 ports, rate self-adaption,Full/Half duplex mode, MDI/MDI-X self-adaption
■ Optional 0~8*1000M SFP slots, adaptable to 1000M SFP optical module(support SM/MM)or 1000M SFP electric interface module (Support twisted pair transmission)
■ Support redundant wide voltage 12V~48V DC power inputs, full-load power consumption < 11W
■ Adopt with high strength IP40 housing , industrial EMC design
■ Support DIN-Rail Mounting installation
■ Working temperature range: -40~85℃to meet the requirements of various industrial sites

Product Overview

10-Port Gigabit Unmanaged Ethernet Switches adopt with high strength IP40 protective housing, industrial EMC design, support wide range redundant power input (12~48V DC) to increase the reliability of communication networks. Support optional 2~8*10/100/1000BASE-T(X) RJ45 ports and optional 0~8*1000BASE-X SFP slots, the optical and electrical combination can be flexibly carried out according to the demand of business ports. Base on the requirements of industrial installation, DIN35 rail is provided. The products adopt with fan-free, low power consumption, industrial design, - 40~85℃ working temperature range, which can meet the requirements of various industrial sites and provide convenient Ethernet communication solutions.

Features

● Support IEEE802.3/802.3u/802.3ab, store and forward switching mode
● Support optional 2~8*10/100/1000Base-T(X) RJ45 ports, Support Auto-Negotiation technology , Automated Negotiation rate(10M/100M/1000M), duplex mode(half/full duplex) and MDI/MDI-X self-adaption
● Support 0~8*1000 BASE-X SFP slots, adaptable to 1000M

optical module(support SM/MM)) or 1000M SFP electric port module (Support twisted pair transmission)
● Adopt with high strength IP40 housing and industrial EMC design
● Support redundant wide voltage 12~48V DC power input, full load power consumption less than 11W
● -40~85℃ Working temperature range

Specifications

Technical Standard

● Standard：IEEE802.3、IEEE802.3u、IEEE 802.3ab

Interfaces

● RJ45 port: 10/100/1000BaseT(X) rate self-adaption, Full/Half Duplex, MDI/MDI-X self-adaption
● SFP interface: 1000BASE-X SFP optical interface, adaptable to 1000M SFP optical module(support SM/MM)and 1000M SFP electric interface module (Support twisted pair transmission)

Exchange Property

● 10M forwarding speed:14881pps

● 100M forwarding speed:148810pps
● 1000M forwarding speed: 1488095pps
● Transmission way: Store and forward.
● System switching bandwidth: 20Gbps
● Cache size: 2Mbits
● MAC address table: 8K

Power Requirements

● Power input: support redundant power input, with 4 Cores 7.62mm Spacing standard industrial terminal
● Redundant wide voltage 12~48V DC power input, typical working voltage 12V/24V/48V

⬤ Full load power consumption less than 11W

   ⬤ Built-in over current protection

Physical Characteristics

⬤ Dimensions (W×H×D): 51.5mm×150.5mm×125.5mm

⬤ Weight: 900 g

⬤ Housing: IP40 grade protection, metal housing

⬤ Installation: DIN rail mounting

Environment Limits

⬤ Work Temp.: -40℃~85℃

⬤ Storage Temp.: -40℃~85℃
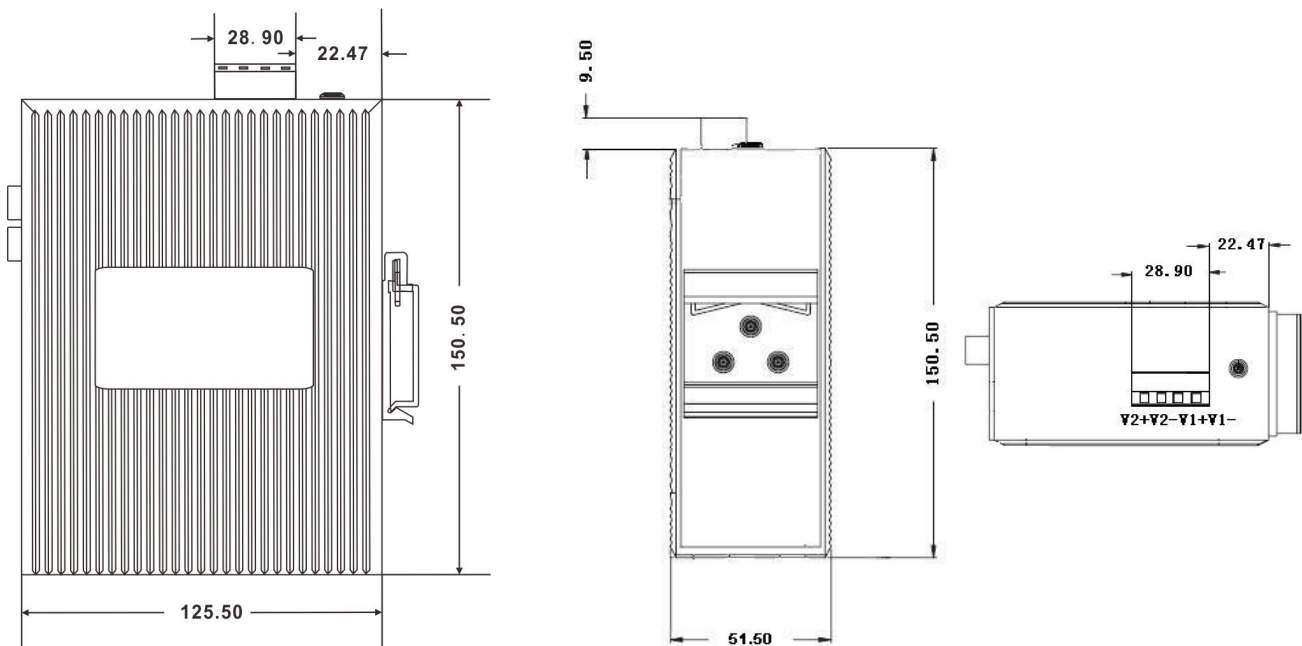
⬤ Relative Humidity: 5%~95% (no-condensation)

Warranty

⬤ Warranty Period: 5 years

Standards and Certifications

⬤ IEC61000-4-2(ESD): ±8KV Contact discharge, ±15KV Air

discharge

   ⬤ IEC61000-4-3(RS): 10V/m (80-1000MHZ)

   ⬤ IEC61000-4-4(EFT): power cable ±4KV, data cable ±2KV

   ⬤ IEC61000-4-5(Surge): power cable ±2KV CM/±1KV DM, data cable: ±4KV

   ⬤ IEC61000-4-6(Radio Frequency Conduction): 3V (10KHZ-150KHZ), 10V (150KHZ-80MHZ)

   ⬤ IEC61000-4-16 （ Common Mode Conduction ） ：

   30V(cont.),300V(1s)

⬤ IEC60068-2-6（Vibration）

⬤ IEC60068-2-27（Shock）

⬤ IEC60068-2-32（Free fall）

⬤ IEC61000-6-2(General Industrial Standards), IEC61850-3(Transformer Substation), IEEE1613(Power Substation)

⬤ EN50121-4(Rail Transit

Dimensions(mm)

Models

Model	Specs
CK7110-8GTX	Industrial unmanaged switch, 8*10/100/1000BaseT(X) RJ45 ports, DIN35 rail mounting
CK7110-8GTX2SFP	Industrial unmanaged switch, 8*10/100/1000BaseT(X) RJ45 ports, 2*1000M SFP slots(optical/electrical interface optional, transceiver module not included), DIN35 rail mounting
CK7110-6GTX4SFP	Industrial unmanaged switch, 6*10/100/1000BaseT(X) RJ45 ports, 4*1000M SFP slots(optical/electrical interface optional, transceiver module not included), DIN35 rail mounting
CK7110-4GTX6SFP	4Industrial unmanaged switch, 4*10/100/1000BaseT(X) RJ45 ports, 6*1000M SFP slots(optical/electrical interface optional, transceiver module not included), DIN35 rail mounting
CK7110-2GTX8SFP	Industrial unmanaged switch, 2*10/100/1000BaseT(X) RJ45 ports, 8*1000M SFP slots(optical/electrical interface optional, transceiver module not included), DIN35 rail mounting

Package List

- 10-Port Gigabit Unmanaged Industrial Ethernet Switch 1pcs (with industrial terminal for power supply)
- Choose the corresponding numbers of SFP optical modules according to the product model
- Product Manual 1pcs